

Work Schedule Issues

Bob Benson to: HILBERTJ

06/08/2010 01:32 PM

From: Bob Benson/R8/USEPA/US
To: HILBERTJ@UCMAIL.UC.EDU

Tim,

Please distribute to the UC group.

Last Saturday during our discussion of the deliverables schedule, Jim and I also talked about the work schedules in the Marysville facility. Jim relayed a work schedule that shows someone working 326.95 days out of 365.25. See the attached Word document.



Exposure Correction.doc

I find it difficult to believe that everyone in the Marysville plant worked such a horrendous schedule. But I concede it is possible.

The RfC that I derive must be for continuous exposure (24 hrs/day, 365 days/year, for a lifetime). When I was working with the data set used for the RoHS publication, I assumed that everyone in the facility worked the same schedule and made a global transformation of the cumulative fiber exposure to adjust to continuous exposure as the last step in the derivation. However, if groups of workers (or individuals) have different work schedules, the global transformation will be incorrect.

How many different work schedules are you considering for the spreadsheet calculation?

I think it might be more correct to build into the spreadsheet a cell that contains the Total Correction Factor to convert from (Cumulative Exposure)OCCUP to (Cumulative Exposure)HEC for each worker. See the Word document for definitions of terms and sample calculation.

If you send me the work schedules you are going to use, I will supply the needed Total Correction Factor that Eric can put into the spreadsheet cell. I would rather work together on this rather than deal with the issue after I get the Cumulative Exposure spreadsheet.